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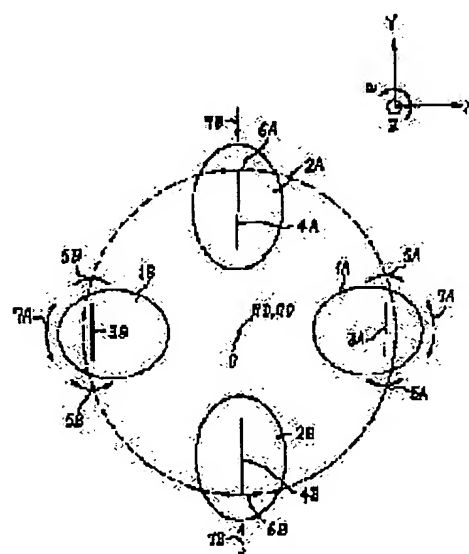
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(54) VIBRATOR, VIBRATION GYROSCOPE, LINEAR ACCELERATOR, AND METHOD FOR MEASURING ROTARY ANGULAR VELOCITY

(57)Abstract:

PROBLEM TO BE SOLVED: To detect the angular velocity of a rotation when the rotation within a specific plane is given to a vibration being extended in a specific plane.

SOLUTION: A vibration gyroscope for detecting the rotary angular velocity of a rotary system is provided with a vibrator, a means for exciting a drive vibration for the vibrator, and a means for detecting a detection vibration being generated by the vibrator due to the rotation of the vibrator. The vibrator is provided with at least a plurality of vibration systems 1A, 1B, 2A, and 2B, and a plurality of vibration systems are formed so that they are



extended in a specific surface that cross a rotary shaft Z. A plurality of vibration systems are provided with first vibration systems 1A and 1B including a vibration constituent in a radial direction that vibrates in a radial direction within a specific plane with gravity GO of the vibrator as a center and second vibration systems 2A and 2B including a vibration constituent in a peripheral direction that vibrates in a circumferential direction within a specific plane when the center of the gravity of the vibration of the vibration system is the gravity GO.

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## LEGAL STATUS

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